

From: pjb7@cdc.gov
Sent: 20 Jan 2017 11:24:42 -0500
To: Deener, Kathleen
Subject: Re: Possible Federal agency session on lead exposure and public health for 2017 APHA Conference

Yes. What about ISEE

P

Sent from my iPhone

On Jan 20, 2017, at 9:50 AM, Deener, Kathleen <Deener.Kathleen@epa.gov> wrote:

One additional thing I should have mentioned. We've also discussed submitting a similar session proposal by [1/31](#) for the International Society of Exposure Science (ISES) Conference in Research Triangle Park, NC [October 15-19, 2017](#):<http://www.intlexposurescience.org/ISES2017>.

This would be the same types of presentations (and speakers) with an expanded panel.

Would you be interested in presenting at that also? If you're not able to do both, would you want to suggest someone else from NCEH for the ISES meeting?

Thanks,
Kacee

Sent from my iPhone

On Jan 20, 2017, at 8:54 AM, Day, Kristine (CDC/ONDIEH/NCCDPHP) <knd8@cdc.gov> wrote:

Hi Kacee,
Pat would be happy to co-present on the panel to talk about current findings on blood lead levels and the reference level. We are working on the brief blurb you asked for and will try to get it to you by COB today. It would be Monday at the latest.
Thanks for coordinating this effort,
Kristine

From: Deener, Kathleen [<mailto:Deener.Kathleen@epa.gov>]
Sent: Tuesday, January 17, 2017 6:42 PM
To: Breyse, Patrick N. (CDC/ONDIEH/NCEH) <pjb7@cdc.gov>; Knutson, Donna (CDC/ONDIEH/NCEH) <dbk2@cdc.gov>

Cc: Day, Kristine (CDC/ONDIEH/NCCDPHP) <knd8@cdc.gov>; Zartarian, Valerie <Zartarian.Valerie@epa.gov>

Subject: Possible Federal agency session on lead exposure and public health for 2017 APHA Conference

Hi Pat and Donna –

I have been working with a few folks at EPA to put together a session proposal for the 2017 American Public Health Association meeting this fall in Atlanta. The session would focus on childhood lead exposures and highlight federal data collection efforts and an EPA modeling effort to inform public health decision making. The proposal is pasted below. We are hoping to have a CDC representative talk about current findings on blood lead levels and any updates in the reference level. We have also reached out to HUD (Peter Ashley) and FDA (Deborah Smegal) to see if they will be a part of this session to talk about HUD and FDA data collection efforts.

APHA's deadline for full session proposals such as this one is Jan. 25. Would you be interested in either being a part of this session or identifying someone from NCEH to participate? If so, I will need a 3-4 sentence summary of the presentation for the session proposal and the name of the person who would be presenting (by COB Jan. 20 if at all possible).

Thanks in advance for considering!

Session Title: Childhood Lead Exposures: Innovative Modeling and Data Collection Efforts by the Federal Family to Guide Public Health Decision-Making

Description: Reduction in lead exposure ranks as one of the ten great public health achievements in recent history. Over the past 50 years, federal and state regulators have eliminated or drastically reduced the use of lead in gasoline, paint, plumbing pipes, food cans, and a variety of other products. Additionally, the public health and medical community have worked together to increase awareness, identify populations at risk, screen young children for lead poisoning, and provide blood lead testing for communities. As our understanding of the biological effects of lead exposure has improved, we now have scientific evidence indicating that even small amounts of lead can be harmful to a child's developing brain, resulting in detrimental effects on intelligence and behavior. Lead exposure is also associated with a variety of other harmful effects for both children and adults, including neurological, cardiovascular, kidney, developmental, and reproductive outcomes. While blood lead levels have declined dramatically in the U.S. over the past several decades, some populations continue to experience high levels of lead exposure. Thus, it remains a public health priority to continue reducing lead exposure, especially in highly-exposed communities. The multi-media nature of the problem requires a coordinated approach. This session will: 1) provide an overview of current issues related to lead exposure; 2) describe an innovative multi-pathway probabilistic model to inform public health decisions related to lead; and 3) highlight federal data collection efforts that have informed our understanding of the various sources of lead exposure. Presentations will be followed by a panel discussion.

Presentation 1: Setting the Stage: A brief overview of lead exposure issues and summary of the session (10 minutes; Kacee Deener, EPA-ORD)

This presentation will provide a short, high level overview of current issues related to lead exposure. It will briefly summarize past successes, discuss why it remains a public health priority to continue reducing lead exposure, especially in highly-exposed communities, and describe how the multi-media nature of the problem requires a coordinated approach.

Presentation 2: Lead exposure modeling (15 minutes; Valerie Zartarian, EPA-ORD)

This presentation will provide an overview of an innovative modeling approach that was developed to inform public health decisions related to lead exposure. This analysis for the U.S. population of young children probabilistically simulated exposures from water, soil, dust, food, and air media, and estimated doses consistent with nationally representative blood lead data. It also reported relative contribution of media to blood lead levels across all population percentiles, for several age groups. This methodology can guide health-based benchmarks for lead in drinking water and related public health decisions.

Presentation 3: Blood lead levels: current findings and recommendations (15 minutes; CDC)

Presentation 4: Trends of lead in soil and dust from the American Healthy Homes Survey (15 minutes; HUD)

Presentation 5: Lead in food: current understanding, data gaps, and future efforts (15 minutes; FDA)

Panel Discussion

This moderated panel discussion will focus on: 1) how these data collections efforts can inform new tools and approaches – such as the described modeling effort; 2) data gaps and uncertainties; 3) research needs; and 4) opportunities for the future.

Kacee Deener, MPH

Senior Science Advisor

Office of Research and Development

(ph) 202.564.1990 | (b) (6)

deener.kathleen@epa.gov

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 6 Mar 2017 18:20:14 +0000
To: Buchanan, Sharunda D. (CDC/ONDIEH/NCEH)
Subject: RE: Lead Strategy Subcommittee of the President's Task Force on Environmental Health/ Safety Risks to Children

Great, thanks!

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: adrienne.ettinger@cdc.hhs.gov (abe7)
Phone: (770) 488-7492

From: Buchanan, Sharunda D. (CDC/ONDIEH/NCEH)
Sent: Monday, March 6, 2017 1:20 PM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>
Subject: FW: Lead Strategy Subcommittee of the President's Task Force on Environmental Health/ Safety Risks to Children

fyi

From: Nevel, Amy (HHS/ASPE)
Sent: Monday, March 06, 2017 1:12 PM
To: Firestone, Michael <Firestone.Michael@epa.gov>; Etzel, Ruth <Etzel.Ruth@epa.gov>; Michael.C.Lawyer@HUD.Gov; Ferrero, Ann (HRSA) <AFerrero@hrs.gov>; Alice Thaler <athaler@cpsc.gov>; Rooney, Andrew (NIH/NIEHS) [E] <andrew.rooney@nih.gov>; Banks, Victoria <Banks.Victoria@epa.gov>; Jett, Candice L (HHS/OASH) <Candice.Jett@hhs.gov>; Liv, Chanya (OS/OASH) <Chanya.Liv@hhs.gov>; Chris B Trent (HUD) <Chris.B.Trent@hud.gov>; Coopwood, Theodore <Coopwood.Theodore@epa.gov>; defoe.tiffany@dol.gov; ely.jacobsohn@ee.doe.gov; Eric J Rosenfield@omb.eop.gov; Foos, Brenda <Foos.Brenda@epa.gov>; Foster, Stiven <Foster.Stiven@epa.gov>; Peacock, Georgina (CDC/ONDIEH/NCBDDD) <ghn3@cdc.gov>; Hackel, Angela <Hackel.Angela@epa.gov>; Hauff, Amanda <Hauff.Amanda@epa.gov>; Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD) <anul@cdc.gov>; Kitt Rodkey <kitt.rodkey@hud.gov>; Kristina Hatlelid <Khatlelid@cpsc.gov>; Lee, Charles <Lee.Charles@epa.gov>; Leonard, Darlene <Leonard.Darlene@epa.gov>; Lung, Tai <Lung.Tai@epa.gov>; Mabson, Michelle <Mabson.Michelle@epa.gov>; McGillicuddy, Mary <mcgillicuddy.mary@epa.gov>; Moritz, Brigitte <Moritz.Brigette@epa.gov>; Murphy, Deirdre <Murphy.Deirdre@epa.gov>; Peter.J.Ashley@hud.gov; Reed, Khesha <Reed.Khesha@epa.gov>; Garza, Roberto (ACF) <Roberto.Garza@acf.hhs.gov>; Howard, Sandra (OS/OASH) <Sandra.Howard@HHS.GOV>; Field, Sarah (DHHS/OS/OASH) <Sarah.Field@hhs.gov>; Shah, Manthan <shah.manthan@epa.gov>; Ricks, Sharon L (HHS/OASH) <Sharon.Ricks@hhs.gov>; Buchanan, Sharunda D. (CDC/ONDIEH/NCEH) <sdb4@cdc.gov>; Suero, Maryann <suero.maryann@epa.gov>; Fitzpatrick, Suzanne (FDA/CFSAN) <Suzanne.Fitzpatrick@fda.hhs.gov>; Thigpen Tart, Kimberly (NIH/NIEHS) [E] <thigpenk@niehs.nih.gov>; Warren.friedman@hud.gov (CDC hud.gov) <Warren.friedman@hud.gov>; Smith, Kimberly (HHS/OASH) <Kimberly.Smith@hhs.gov>
Cc: Rodkey, Kitt <clyde.k.rodkey@hud.gov>; Cohen, Abby (ACF) <Abby.Cohen@acf.hhs.gov>; Hooban, Christopher (ACF) <Christopher.Hooban@acf.hhs.gov>; Belle, Kara <Belle.Kara@epa.gov>
Subject: RE: Lead Strategy Subcommittee of the President's Task Force on Environmental Health/ Safety Risks to Children

<< File: Subcommittee Discussion Draft Lead Strategy 030317.docx >>

Amy Nevel, MPH
Senior Public Health Policy Analyst
ASPE/Office of Science and Data Policy
Room 446F.3
Direct Voice: 202-690-7795

-----Original Appointment-----

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]

Sent: Wednesday, February 22, 2017 8:00 AM

To: Firestone, Michael; Etzel, Ruth; Michael.C.Lawyer@HUD.Gov; Ferrero, Ann (HRSA); Alice Thaler; Nevel, Amy (HHS/ASPE); Rooney, Andrew (NIH/NIEHS) [E]; Banks, Victoria; Jett, Candice L (HHS/OASH); Liv, Chanya (OS/OASH); Chris B Trent (HUD); Coopwood, Theodore; defoe.tiffany@dol.gov; ely.jacobsohn@ee.doe.gov; Eric_J_Rosenfield@omb.eop.gov; Foos, Brenda; Foster, Stiven; Peacock, Georgina (CDC/ONDIEH/NCBDDD); Hackel, Angela; Hauff, Amanda; Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD); Kitt Rodkey; Kristina Hatlelid; Lee, Charles; Leonard, Darlene; Lung, Tai; Mabson, Michelle; McGillicuddy, Mary; Moritz, Brigitte; Murphy, Deirdre; Peter.J.Ashley@hud.gov; Reed, Khesha; Garza, Roberto (ACF); Howard, Sandra (OS/OASH); Field, Sarah (DHHS/OS/OASH); Shah, Manthan; Ricks, Sharon L (HHS/OASH); Buchanan, Sharunda D. (CDC/ONDIEH/NCEH); Suero, Maryann; Fitzpatrick, Suzanne (FDA/CFSAN); Thigpen Tart, Kimberly (NIH/NIEHS) [E]; Warren.Friedman@hud.gov; Smith, Kimberly (HHS/OASH)

Cc: Rodkey, Kitt; Cohen, Abby (ACF); Hooban, Christopher (ACF); Belle, Kara

Subject: Lead Strategy Subcommittee of the President's Task Force on Environmental Health/ Safety Risks to Children

When: Monday, March 06, 2017 1:00 PM-2:30 PM (UTC-05:00) Eastern Time (US & Canada).

Where: EPA West 1144C (1301 Constitution Ave., NW / Federal Triangle Metro)

Our bi-weekly meetings will now be held on Monday afternoon from 1 to 2:30 pm, at OCHP/EPA Conference Room:

EPA West 1144C (1301 Constitution Ave., NW / Federal Triangle Metro)

Call-in # is (b) (6); conference code is (b) (6)

NOTE: Subcommittee Charter and Agenda have been updated slightly on March 6. Also, the Vision-Mission-Goals-Objectives+Actions document that Amy Nevel sent out Friday has been added.

<< File: Timeline for Federal Lead Strategy Development March 1 draft.docx >> << File: Charter for Lead Subcommittee Michael draft March 6 2017.docx >> << File: Agenda Lead SubC March 6.docx >>
<< File: Lead strategy VMGO Discussion Draft 030317 (003).docx >>

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 6 Jun 2017 14:29:33 +0000
To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov)
Subject: RE: Rescheduling Pb SubC Co-Chairs Update

I can do Wednesday any time between 10-11:30AM.

Thanks,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Firestone, Michael [mailto:Firestone.Michael@epa.gov]

Sent: Tuesday, June 6, 2017 10:21 AM

To: Warren.friedman@hud.gov (CDC hud.gov) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)

Subject: RE: Rescheduling Pb SubC Co-Chairs Update

1. Today 3:15-4:45 ET; or
 2. Wednesday 10-11:30 ET
- work for me.

Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)

Office of the Administrator

U.S. Environmental Protection Agency

1200 Pennsylvania Ave., NW

Washington, DC 20460

For delivery: EPA West Building, 1301 Constitution Ave., Room 1130

Office: 202-564-2199 (Monday thru Wednesday)

Cell: (b) (6) (Thursday)

FAX: 202-564-2733

From: Friedman, Warren [mailto:Warren.Friedman@hud.gov]

Sent: Tuesday, June 06, 2017 10:18 AM

To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>; Firestone, Michael
<Firestone.Michael@epa.gov>

Subject: Rescheduling Pb SubC Co-Chairs Update

My preferences are for call durations within these blocks:

1. Today 3:15-4:45 ET
2. Wednesday 11:30-12:45 ET
3. Wednesday 10-11:30 ET

Yours,

Warren

(b) (6) cell

From: Firestone, Michael <Firestone.Michael@epa.gov>

Sent: Tuesday, June 6, 2017 6:49:15 AM

To: Ettinger, Adrienne (CDC/ONDIEH/NCEH); Friedman, Warren

Subject: RE: Pb SubC Co-Chairs Update

Adrienne

How about sometime this afternoon or tomorrow?

Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)

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U.S. Environmental Protection Agency

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Washington, DC 20460

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Cell: (b) (6) (Thursday)

FAX: 202-564-2733

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH) [<mailto:abe7@cdc.gov>]

Sent: Tuesday, June 06, 2017 9:46 AM

To: Firestone, Michael <Firestone.Michael@epa.gov>; Warren.friedman@hud.gov (CDC hud.gov)
<Warren.friedman@hud.gov>

Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>

Subject: RE: Pb SubC Co-Chairs Update

Hi,

I am not going to be able to make the call this morning due to GAO engagement – time keeps getting revised by CDC OD.

Apologies,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

-----Original Appointment-----

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]

Sent: Wednesday, May 31, 2017 12:14 PM

To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov); Ettinger, Adrienne (CDC/ONDIEH/NCEH)

Subject: Pb SubC Co-Chairs Update

When: Tuesday, June 6, 2017 10:00 AM-10:30 AM (UTC-05:00) Eastern Time (US & Canada).

Where: (b) (6) code: (b) (6)

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 6 Jun 2017 14:30:18 +0000
To: Warren.friedman@hud.gov (CDC hud.gov); Firestone, Michael
Subject: RE: Rescheduling Pb SubC Co-Chairs Update

Sorry, I meant Wed between 10:30-11:30AM. Too many meetings ☺

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Warren.friedman@hud.gov (CDC hud.gov)
Sent: Tuesday, June 6, 2017 10:29 AM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) ; Firestone, Michael
Subject: Re: Rescheduling Pb SubC Co-Chairs Update

So far, so good.
Adrienne?

Yours,
Warren
202-402-7574

From: Firestone, Michael <Firestone.Michael@epa.gov>
Sent: Tuesday, June 6, 2017 7:20:52 AM
To: Friedman, Warren; Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Rescheduling Pb SubC Co-Chairs Update

1. Today 3:15-4:45 ET; or
 2. Wednesday 10-11:30 ET
- work for me.

Michael P. Firestone, Ph.D.
Office of Children's Health Protection (MC 1107T)
Office of the Administrator
U.S. Environmental Protection Agency
1200 Pennsylvania Ave., NW
Washington, DC 20460
For delivery: EPA West Building, 1301 Constitution Ave., Room 1130
Office: 202-564-2199 (Monday thru Wednesday)
Cell: (b) (6) (Thursday)
FAX: 202-564-2733

From: Friedman, Warren [<mailto:Warren.Friedman@hud.gov>]
Sent: Tuesday, June 06, 2017 10:18 AM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>; Firestone, Michael <Firestone.Michael@epa.gov>
Subject: Rescheduling Pb SubC Co-Chairs Update

My preferences are for call durations within these blocks:
1. Today 3:15-4:45 ET

2. Wednesday 11:30-12:45 ET

3. Wednesday 10-11:30 ET

Yours,

Warren

(b) (6) cell

From: Firestone, Michael <Firestone.Michael@epa.gov>

Sent: Tuesday, June 6, 2017 6:49:15 AM

To: Ettinger, Adrienne (CDC/ONDIEH/NCEH); Friedman, Warren

Subject: RE: Pb SubC Co-Chairs Update

Adrienne

How about sometime this afternoon or tomorrow?

Michael P. Firestone, Ph.D.

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Office: 202-564-2199 (Monday thru Wednesday)

Cell: (b) (6) (Thursday)

FAX: 202-564-2733

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH) [<mailto:abe7@cdc.gov>]

Sent: Tuesday, June 06, 2017 9:46 AM

To: Firestone, Michael <Firestone.Michael@epa.gov>; Warren.friedman@hud.gov (CDC hud.gov)
<Warren.friedman@hud.gov>

Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>

Subject: RE: Pb SubC Co-Chairs Update

Hi,

I am not going to be able to make the call this morning due to GAO engagement – time keeps getting revised by CDC OD.

Apologies,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

-----Original Appointment-----

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]

Sent: Wednesday, May 31, 2017 12:14 PM

To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov); Ettinger, Adrienne (CDC/ONDIEH/NCEH)

Subject: Pb SubC Co-Chairs Update

When: Tuesday, June 6, 2017 10:00 AM-10:30 AM (UTC-05:00) Eastern Time (US & Canada).

Where: (b) (6) code: (b) (6)

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 12 Jun 2017 17:06:05 +0000
To: Howard, Sandra (OS/OASH)
Subject: FW: Request for Dr. Valerie Zartarian to Serve as EPA's Co-Chair on the Lead Research Working Group under the Federal Lead Strategy Subcommittee of the President's Task Force on Environmental Health Risks and Safety Risks to Children

FYI, in case you weren't copied. Relates to Goal 5 also (see below).

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Firestone, Michael [mailto:Firestone.Michael@epa.gov]
Sent: Monday, June 12, 2017 12:51 PM
To: Warren.friedman@hud.gov (CDC hud.gov) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: FW: Request for Dr. Valerie Zartarian to Serve as EPA's Co-Chair on the Lead Research Working Group under the Federal Lead Strategy Subcommittee of the President's Task Force on Environmental Health Risks and Safety Risks to Children

FYI

Michael P. Firestone, Ph.D.
Office of Children's Health Protection (MC 1107T)
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Washington, DC 20460
For delivery: EPA West Building, 1301 Constitution Ave., Room 1130
Office: 202-564-2199 (Monday thru Wednesday)
Cell: (b) (6) (Thursday)
FAX: 202-564-2733

From: Kavlock, Robert
Sent: Monday, June 12, 2017 12:44 PM
To: Etzel, Ruth <Etzel.Ruth@epa.gov>
Cc: Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; Garland, Jay <Garland.Jay@epa.gov>; Rodan, Bruce <rodan.bruce@epa.gov>; Firestone, Michael <Firestone.Michael@epa.gov>; Zartarian, Valerie <Zartarian.Valerie@epa.gov>; Gwinn, Maureen <gwinn.maureen@epa.gov>
Subject: Re: Request for Dr. Valerie Zartarian to Serve as EPA's Co-Chair on the Lead Research Working Group under the Federal Lead Strategy Subcommittee of the President's Task Force on Environmental Health Risks and Safety Risks to Children

Ruth

You have picked an excellent person to be co-chair. I am pleased to concur as does Valerie and her management.

Bob

Sent from my iPhone

On Jun 12, 2017, at 5:34 PM, Etzel, Ruth <Etzel.Ruth@epa.gov> wrote:

Hi Bob,

The purpose of this email is to request the participation of Dr. Valerie Zartarian as EPA's Co-Chair on the Lead Research Working Group under the Federal Lead Strategy Subcommittee of the [President's Task Force on Environmental Health Risks and Safety Risks to Children](#). This federal-wide workgroup also will include co-chairs from HHS and HUD.

Dr. Zartarian, as ORD's representative on the Federal Lead Strategy Subcommittee and EPA's EJ-2020 effort, has already been working closely with Dr. Michael Firestone in my office, who is EPA's Co-Chair in the development of the Federal Lead Strategy, on coordinating lead research. We expect that her additional duties as a workgroup co-chair would take no more than 5 to 10% of her time for the remainder of 2017.

The importance of this effort was clearly stated by Administrator Pruitt, in a [May 25, 2017 response letter to the Chair of the Children's Health Protection Advisory Committee](#) on the subject of priorities for childhood lead exposure protection, in which he stated:

In response to the continuing public health concern regarding exposure to lead from a variety of sources including old lead paint and in drinking water, the President's Task Force on Environmental Health Risks and Safety Risks to Children, which the EPA co-chairs with the Department of Health and Human Services, is developing an updated federal strategy to address lead risks to children from a variety of sources. We expect this new strategy will broadly address your recommendations to protect children from health risks posed by lead.

The latest version of the draft Federal Strategy has five goals – Goal 5 specifically addresses the development of a federal-wide lead research strategy; we expect that Dr. Zartarian would play an important role in shaping this research strategy.

Thank you for your consideration of this request.

Best,

Ruth

Ruth A. Etzel, MD, PhD

Director

Office of Children's Health Protection

U.S. Environmental Protection Agency

1200 Pennsylvania Avenue, NW

Washington, DC 20460

Phone: 202-564-2188

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 26 Jun 2017 21:49:31 +0000
To: Warren.friedman@hud.gov (CDC hud.gov)
Cc: Firestone, Michael
Subject: RE: CHPAC July meeting

Thanks for confirming – I agree this is important for in person meeting and will work to try to make it happen before June 30th deadline. Not that I need to justify the trip, but great if we could make it double duty.

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (**abe7**)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Warren.friedman@hud.gov (CDC hud.gov)
Sent: Monday, June 26, 2017 5:15 PM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Cc: Firestone, Michael
Subject: RE: CHPAC July meeting

Adrienne: An obvious statement, but worth saying: To quote Woody Allen, “80 percent of success is showing up.” If you’re able to squeeze in your being in DC (we can certainly work on your meeting with OLHCHH management that day or the day before), your being at the CHPAC meeting would be beneficial as a means of showing interagency solidarity, even if you don’t have a speaking role. Of course, your being on the phone would be fine if that’s all that can happen.

Yours,

Warren

202-402-7574

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH) [<mailto:abe7@cdc.gov>]
Sent: Monday, June 26, 2017 4:49 PM
To: Firestone, Michael <Firestone.Michael@epa.gov>; Friedman, Warren <Warren.Friedman@hud.gov>
Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>
Subject: RE: CHPAC July meeting

I’m glad you brought this up. I mentioned your invitation to Sharunda at our 1:1 meeting today and she said as long as I’m there, and not speaking, the presentation doesn’t have to be cleared on this end. I need to decide if I am going to travel in person before June 30 budget request deadline.

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (**abe7**)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]
Sent: Monday, June 26, 2017 3:43 PM
To: Warren.friedman@hud.gov (CDC hud.gov) <Warren.friedman@hud.gov>; Ettinger, Adrienne

(CDC/ONDIEH/NCEH) <abe7@cdc.gov>

Subject: CHPAC July meeting

Note: Our Federal lead Strategy presentation is on Wednesday July 19 at 10:30 am.

I'll start working on our presentation tomorrow – stay tuned.

Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)

Office of the Administrator

U.S. Environmental Protection Agency

1200 Pennsylvania Ave., NW

Washington, DC 20460

For delivery: EPA West Building, 1301 Constitution Ave., Room 1130

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Cell: (b) (6) (Thursday)

FAX: 202-564-2733

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 17 Jul 2017 17:36:56 +0000
To: Warren.friedman@hud.gov (CDC hud.gov); Firestone, Michael
Subject: RE: Lead Strategy Co-Chairs Meeting

I was too, just hung up. Will call back in...

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Warren.friedman@hud.gov (CDC hud.gov)
Sent: Monday, July 17, 2017 1:35 PM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) ; Firestone, Michael
Subject: RE: Lead Strategy Co-Chairs Meeting

Checking the CHPAC slide presentation sequence and discussing how to address the Goal 5 wording if questions arise from the CHPAC members.

BTW, I'm on the phone line.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH) [<mailto:abe7@cdc.gov>]
Sent: Monday, July 17, 2017 1:33 PM
To: Firestone, Michael <Firestone.Michael@epa.gov>; Friedman, Warren <Warren.Friedman@hud.gov>
Subject: RE: Lead Strategy Co-Chairs Meeting

I sent you my updated document for Goal 2, nothing else from this end...

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]
Sent: Monday, July 17, 2017 1:25 PM
To: Warren.friedman@hud.gov (CDC hud.gov) <Warren.friedman@hud.gov>; Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>
Subject: RE: Lead Strategy Co-Chairs Meeting

Do we need to talk at 1:30 pm today?

Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)

Office of the Administrator

U.S. Environmental Protection Agency

1200 Pennsylvania Ave., NW

Washington, DC 20460

For delivery: EPA West Building, 1301 Constitution Ave., Room 1130

Office: 202-564-2199 (Monday thru Wednesday)

Cell (b) (6) (Thursday)

FAX: 202-564-2733

-----Original Appointment-----

From: Firestone, Michael

Sent: Wednesday, June 07, 2017 11:26 AM

To: Firestone, Michael; warren.friedman@hud.gov; Adrienne Ettinger

Subject: Lead Strategy Co-Chairs Meeting

When: Monday, July 17, 2017 1:30 PM-2:00 PM (UTC-05:00) Eastern Time (US & Canada).

Where: (b) (6) (b) (6) code (b) (6)

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 19 Jul 2017 20:11:03 +0000
To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov); Hackel, Angela
Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: #2: adding RE: Q for communications

Sharunda and I had a brief introductory call with CB. She is mistaken because the Healthy Schools initiative (lead by Holly Hunt) is including the environment and we told her this). I have not been able to participate, but copied on the emails.

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Firestone, Michael [mailto:Firestone.Michael@epa.gov]
Sent: Wednesday, July 19, 2017 1:18 PM
To: Warren.friedman@hud.gov (CDC hud.gov) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH) ; Hackel, Angela
Subject: Fw: #2: adding RE: Q for communications

FYI

Michael P. Firestone, Ph.D.,
Office of Children's Health Protection (MC 1107T)
Office of the Administrator
U.S. Environmental Protection Agency
Room 1130 EPA West Building
1200 Pennsylvania Avenue, NW
Washington, DC 20460
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Cell: (b) (6) (Thursday)
FAX: 202-564-2733

From: Claire Barnett <cbarnett@healthyschools.org>
Sent: Wednesday, July 19, 2017 11:27 AM
To: Berger, Martha; Etzel, Ruth; Firestone, Michael
Subject: adding RE: Q for communications

Adding

It would be helpful if CDC would get its programs lined up. CDC school health does not reference or address any lead in paint or water issues.

I tried to get CDC Holly Hunt to take care of it, but she could not. The CDC model is memorialized in an open access issue of the J of School Health of Nov 2015—ten articles and no text on the physical env.

c

From: Claire Barnett [mailto:cbarnett@healthyschools.org]
Sent: Wednesday, July 19, 2017 11:25 AM

To: 'Berger, Martha' <Berger.Martha@epa.gov>; 'etzel.ruth@epa.gov' <etzel.ruth@epa.gov>;
'firestone.michael@epa.gov' <firestone.michael@epa.gov>

Subject: Q for communications

Importance: High

Given the goals of reducing lead sources in all places where children live learn and play, where is the USD Ed in all this?

Has anyone from ED attended, and if so, with what effect?

I encourage the new strategy to be informed by those groups that address environmental risks in schools: products, equipment, paint, water, etc. I have not seen any such outreach at this point.

Re health care- I would encourage far more outreach to many layers of health care providers, esp school nurses, pediatric nurse practitioners, and general practice doctors. Too many communities do not have any access to the rare expert.

C



Claire L. Barnett, MBA, Founder and Executive Director

Healthy Schools Network, Inc.

(w) 518-462-0632

(m) (b) (6)

Coordinator, National Coalition for Healthier Schools

...providing the platform and the forum for environmental health at school ... since 2001

HealthySchools.org - for children, health, environment, education and communities since 1995

NationalHealthySchoolsDay.org - celebrated every spring since 2002

CleaningforHealthySchools.org - green & healthy products for schools

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 24 Jul 2017 13:21:44 +0000
To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov)
Subject: Re: Agenda for this afternoon's Pb Subcommittee?

Sounds good. I'm on videoconference with JPB Foundation - where Ruth is - until 1:00pm today

From: Firestone, Michael
Date: July 24, 2017 at 9:09:14 AM EDT
To: Warren.friedman@hud.gov (CDC hud.gov) , Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: Agenda for this afternoon's Pb Subcommittee?

Warren, Adrienne

Between EPA's 2-day Children's Health Protection Advisory Committee last week followed by the PTF meeting on Thursday, I'm still trying to catch my breadth.

Here are my thoughts on an agenda for today:

1. Review of CHPAC comments re: strategy
2. Discuss advice for drafting Goals/Objectives/Actions:
 - a. using the SMART approach
 - Specific
 - Measurable
 - Attainable
 - Realistic
 - Timely/timeframe
 - b. ensuring that the new lead strategy is not simply a re-write of what was inventoried in the Nov 2016 key federal programs report by clearly identifying what Actions represent ongoing activities versus what are new/unique actions.
 - c. when describing an Action, the text should identify tangible "assets" necessary to achieve success such as allocating funding; receiving regulatory approval; identifying key partners, etc.
 - d. even if graphics have not yet been identified (e.g., charts, diagrams, maps, tables, pictures, etc.), start thinking about what to include and where they might be needed.
3. Status of each of the Goal Teams
4. Next steps, timing, and possible date (?):
 - a. First drafts of Goals/objectives/Actions – due end of July
 - b. First round review – mid-August
 - c. Compile Goals into first draft strategy for Pb-SubC and SS Committee review – end of August
 - d. Second round review – mid-September
 - e. Revised draft for senior leadership review – end of September

5.

Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)
Office of the Administrator
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Washington, DC 20460
For delivery: EPA West Building, 1301 Constitution Ave., Room 1130
Office: 202-564-2199 (Monday thru Wednesday)
Cell: (b) (6) (Thursday)
FAX: 202-564-2733

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 24 Jul 2017 20:35:46 +0000
To: Warren.friedman@hud.gov (CDC hud.gov)
Subject: RE: Agenda for this afternoon's Pb Subcommittee?

(b)(6)

From: Warren.friedman@hud.gov (CDC hud.gov)
Sent: Monday, July 24, 2017 4:00 PM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Agenda for this afternoon's Pb Subcommittee?
Well deserved!!! You've been in a firestorm ever since landing!
Best wishes for (b)(6)!
Warren
202-402-7574
2 (b)(6) cll

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH) [mailto:abe7@cdc.gov]
Sent: Monday, July 24, 2017 3:53 PM
To: Friedman, Warren <Warren.Friedman@hud.gov>; Firestone, Michael <firestone.michael@epa.gov>
Subject: RE: Agenda for this afternoon's Pb Subcommittee?

(b)(5)

(b)(5)

(b)(6)

(b)(6)

From: Warren.friedman@hud.gov (CDC hud.gov)
Sent: Monday, July 24, 2017 9:22 AM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>; Firestone, Michael <firestone.michael@epa.gov>
Subject: Re: Agenda for this afternoon's Pb Subcommittee?
I can live with that!
Yours,
Warren
202-402-7574

From: Firestone, Michael <Firestone.Michael@epa.gov>
Sent: Monday, July 24, 2017 9:08:37 AM
To: Friedman, Warren; Adrienne Ettinger
Subject: Agenda for this afternoon's Pb Subcommittee?

Warren, Adrienne

Between EPA's 2-day Children's Health Protection Advisory Committee last week followed by the PTF meeting on Thursday, I'm still trying to catch my breath.

Here are my thoughts on an agenda for today:

1. Review of CHPAC comments re: strategy
2. Discuss advice for drafting Goals/Objectives/Actions:
 - a. using the SMART approach
 - Specific
 - Measurable
 - Attainable **ACHIEVABLE**
 - Realistic **RESULTS-FOCUSED**

- Timely/timeframe **TIME-BOUND**
 - b. ensuring that the new lead strategy is not simply a re-write of what was inventoried in the Nov 2016 key federal programs report by clearly identifying what Actions represent ongoing activities versus what are new/unique actions.
 - c. when describing an Action, the text should identify tangible “assets” necessary to achieve success such as allocating funding; receiving regulatory approval; identifying key partners, etc.
 - d. even if graphics have not yet been identified (e.g., charts, diagrams, maps, tables, pictures, etc.), start thinking about what to include and where they might be needed.
3. Status of each of the Goal Teams
4. Next steps, timing, and possible date (?):
- a. First drafts of Goals/objectives/Actions – due end of July
 - b. First round review – mid-August
 - c. Compile Goals into first draft strategy for Pb-SubC and SS Committee review – end of August
 - d. Second round review – mid-September
 - e. Revised draft for senior leadership review – end of September

5.

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Cell: (b) (6) (Thursday)
FAX: 202-564-2733

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 2 Aug 2017 12:47:55 +0000
To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov)
Subject: Re: Lead subcommittee meeting next week?

(b)(5)

From: Firestone, Michael
Date: August 2, 2017 at 8:46:53 AM EDT
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) , Warren.friedman@hud.gov (CDC hud.gov)
Subject: Lead subcommittee meeting next week?

Warren, Adrienne

Not much has seemed to happen over the past couple of weeks so I wanted to check-in to see whether we should keep or cancel the next scheduled meeting next Monday?

Additionally we should evaluate whether to keep our every-other-week schedule or move to every 4 weeks. (I'd rather move to once every 4 weeks so we spend more time on moving forward and less on planning and holding meetings.)

Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)

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Angela

What is the current CDC reference level for blood lead^[1]?

The current CDC reference level (the level at which public health action should be initiated) is 5 µg/dL. The current reference level is based on the National Health and Nutrition Examination Survey (NHANES) data from 2007-2008 and 2009-2010. New NHANES data are now available and CDC may lower the reference level to 3.5 µg/dL in the future.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 25 Aug 2017 13:36:04 +0000
To: Wigington, Pamela S. (CDC/ONDIEH/NCEH)
Subject: RE: Assistance Needed: Lead Strategy FAQs

PERFECT, thanks

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Wigington, Pamela S. (CDC/ONDIEH/NCEH)
Sent: Friday, August 25, 2017 9:35 AM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Assistance Needed: Lead Strategy FAQs

Per your request. I didn't put in BLRV because it's only used once.

On January 18, 2017, the National Center for Environmental Health/Agency for Toxic Substances and Disease Registry (NCEH/ATSDR) Board of Scientific Counselors (BSC) voted to recommend that NCEH/ATSDR lower the current blood lead reference value of 5 micrograms per deciliter (µg/dL) to 3.5 µg/dL. The recommendation is currently in review by the Centers for Disease Control and Prevention and a final decision on the recommendation will be made later this year.

Pam Wigington

Associate Director for Communication || Division of Emergency and Environmental Health Services (DEEHS) || CDC/National Center for Environmental Health

Office: 770-488-4599 || Email: piw4@cdc.gov || Cell: (b) (6)

I telework on Tuesdays, Thursdays, and alternate Fridays.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: Friday, August 25, 2017 9:32 AM
To: Wigington, Pamela S. (CDC/ONDIEH/NCEH) <piw4@cdc.gov>
Subject: FW: Assistance Needed: Lead Strategy FAQs

Pam,

Could you please send me the approved language on BLRV (new acronym!), so I can share with President's Task Force?

Thanks,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Hackel, Angela [<mailto:Hackel.Angela@epa.gov>]
Sent: Friday, August 25, 2017 9:23 AM
To: Ricks, Sharon L (HHS/OASH) <Sharon.Ricks@hhs.gov>; Thigpen Tart, Kimberly (NIH/NIEHS) [E] <thigpenk@niehs.nih.gov>
Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>
Subject: Assistance Needed: Lead Strategy FAQs

Hi Adrienne,

I hope you are well. We are in the process of trying to re-work the below CDC language, so that it is a bit easier for a general audience to understand. Would you be able to please provide us with some suggested edits?

Thank you so very much!

Angela

What is the current CDC reference level for blood lead^[1] ?

The current CDC reference level (the level at which public health action should be initiated) is 5 µg/dL. The current reference level is based on the National Health and Nutrition Examination Survey (NHANES) data from 2007-2008 and 2009-2010. New NHANES data are now available and CDC may lower the reference level to 3.5 µg/dL in the future.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 25 Aug 2017 13:46:06 +0000
To: Wigington, Pamela S. (CDC/ONDIEH/NCEH)
Subject: RE: Assistance Needed: Lead Strategy FAQs

Bingo! Thanks ☺

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Wigington, Pamela S. (CDC/ONDIEH/NCEH)
Sent: Friday, August 25, 2017 9:46 AM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Assistance Needed: Lead Strategy FAQs

(b)(5)

(b)(5)

(b)(5)

Pam Wigington

Associate Director for Communication || Division of Emergency and Environmental Health Services (DEEHS) || CDC/National Center for Environmental Health
Office: 770-488-4599 || Email: piw4@cdc.gov || Cell: 404-717-2069

I telework on Tuesdays, Thursdays, and alternate Fridays.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: Friday, August 25, 2017 9:41 AM
To: Wigington, Pamela S. (CDC/ONDIEH/NCEH) <piw4@cdc.gov>
Subject: RE: Assistance Needed: Lead Strategy FAQs

(b)(5)

Thanks,
Adrienne
Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Wigington, Pamela S. (CDC/ONDIEH/NCEH)

Sent: Friday, August 25, 2017 9:35 AM

To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>

Subject: RE: Assistance Needed: Lead Strategy FAQs

Per your request. I didn't put in BLRV because it's only used once.

On January 18, 2017, the National Center for Environmental Health/Agency for Toxic Substances and Disease Registry (NCEH/ATSDR) Board of Scientific Counselors (BSC) voted to recommend that NCEH/ATSDR lower the current blood lead reference value of 5 micrograms per deciliter (µg/dL) to 3.5 µg/dL. The recommendation is currently in review by the Centers for Disease Control and Prevention and a final decision on the recommendation will be made later this year.

Pam Wigington

Associate Director for Communication || Division of Emergency and Environmental Health Services (DEEHS) || CDC/National Center for Environmental Health

Office: 770-488-4599 || Email: piw4@cdc.gov || Cell: (b) (6)

I telework on Tuesdays, Thursdays, and alternate Fridays.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)

Sent: Friday, August 25, 2017 9:32 AM

To: Wigington, Pamela S. (CDC/ONDIEH/NCEH) <piw4@cdc.gov>

Subject: FW: Assistance Needed: Lead Strategy FAQs

Pam,

Could you please send me the approved language on BLRV (new acronym!), so I can share with President's Task Force?

Thanks,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Hackel, Angela [<mailto:Hackel.Angela@epa.gov>]

Sent: Friday, August 25, 2017 9:23 AM

To: Ricks, Sharon L (HHS/OASH) <Sharon.Ricks@hhs.gov>; Thigpen Tart, Kimberly (NIH/NIEHS) [E] <thigpenk@niehs.nih.gov>

Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>

Subject: Assistance Needed: Lead Strategy FAQs

Hi Adrienne,

I hope you are well. We are in the process of trying to re-work the below CDC language, so that it is a bit easier for a general audience to understand. Would you be able to please provide us with some suggested edits?

Thank you so very much!

Angela

What is the current CDC reference level for blood lead [TTK\(\[1\]\)](#) ?

The current CDC reference level (the level at which public health action should be initiated) is 5 µg/dL. The current reference level is based on the National Health and Nutrition Examination Survey (NHANES) data from 2007-2008 and 2009-2010. New NHANES data are now available and CDC may lower the reference level to 3.5 µg/dL in the future.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 25 Aug 2017 15:31:09 +0000
To: Thigpen Tart, Kimberly (NIH/NIEHS) [E]; Hackel, Angela; Ricks, Sharon L (HHS/OASH)
Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Assistance Needed: Lead Strategy FAQs

Yes, this makes sense for this purpose.

Thanks,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Thigpen Tart, Kimberly (NIH/NIEHS) [E]

Sent: Friday, August 25, 2017 11:17 AM

To: Hackel, Angela ; Ettinger, Adrienne (CDC/ONDIEH/NCEH) ; Ricks, Sharon L (HHS/OASH)

Subject: Re: Assistance Needed: Lead Strategy FAQs

Could we use a portion, slightly reorganized/edited as below?

Lead exposure in children is measured by its concentration in the blood. The current CDC reference level is 5 micrograms of lead per deciliter of blood ($\mu\text{g}/\text{dL}$). CDC uses the reference level to identify children with blood lead levels that are higher than most U.S. children's levels. The reference level is not a regulatory standard, and it does not necessarily trigger an official response. The reference level may be used to identify children who have been exposed to lead and who require further action. Adopting the reference value as a level for individual intervention is a decision made based on state or local laws and regulations. A recommendation to lower the current blood lead reference value of 5 $\mu\text{g}/\text{dL}$ to 3.5 $\mu\text{g}/\text{dL}$ is currently in review by the CDC. A final decision on the recommendation will be made later this year.

Kimberly

--

Kimberly Thigpen Tart, JD, MPH

Office of Policy, Planning, and Evaluation

National Institute of Environmental Health Sciences/NIH/HHS

P: 919-541-5377

C: (b) (6)

E: thigpenk@niehs.nih.gov

From: "Hackel, Angela" <hackel.angela@epa.gov>

Date: Friday, August 25, 2017 at 9:59 AM

To: "Ettinger, Adrienne (CDC/ONDIEH/NCEH)" <abe7@cdc.gov>, "Ricks, Sharon L (HHS/OASH)" <Sharon.Ricks@hhs.gov>, "Thigpen Tart, Kimberly (NIH/NIEHS) [E]" <thigpenk@niehs.nih.gov>

Subject: RE: Assistance Needed: Lead Strategy FAQs

CDC uses the reference level to identify children with blood lead levels that are higher than most children's levels. The reference level is not a regulatory standard, and it does not necessarily trigger an official response. The reference level may be used to identify children who have been exposed to lead and who require case management. Adopting the reference value as a level for individual intervention is a decision made based on state or local jurisdiction laws and regulations."

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 28 Aug 2017 19:27:06 +0000
To: Warren.friedman@hud.gov (CDC hud.gov); Firestone, Michael
Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Suggested international action on lead paint for Federal Lead Strategy

(b)(5)

Thanks,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Warren.friedman@hud.gov (CDC hud.gov)

Sent: Monday, August 28, 2017 2:56 PM

To: Firestone, Michael ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)

Subject: RE: Suggested international action on lead paint for Federal Lead Strategy

Additions and deletions of some words and some punctuation.

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]

Sent: Monday, August 28, 2017 10:36 AM

To: Friedman, Warren <Warren.Friedman@hud.gov>; Adrienne Ettinger <abe7@cdc.gov>

Subject: FW: Suggested international action on lead paint for Federal Lead Strategy

Warren, Adrienne

What do you think of the following possible Action under Goal1 Objective 1 (Objective 1.1. – Reduce the Number of Homes and Child-occupied Facilities with Lead-based Paint Hazards):

Action 1.1.2: Reducing Exposure from International Lead-based Paint (Office of International and Tribal Affairs – Environmental Protection Agency)

EPA's Office of International and Tribal Affairs (OITA) works with several EPA Program Offices (Office of Chemical Safety and Pollution Prevention and Office of General Counsel) and CDC on an international effort to eliminate lead-based paint globally through establishing lead paint laws in developing countries. This program builds on the success of phasing out lead in gasoline globally. After the successful phase-out of lead in gasoline in all but three countries, in which only some gasoline is still leaded, lead paint is now the major source of lead exposure for children globally.

The US bans the manufacture, sale and import of lead-containing paint for consumer use and children's toys and furniture bearing lead paint. In contrast, less than one third of countries in the world regulate lead in paint, and levels of 10,000 ppm and higher are often found – the US standard for household paint is 90 ppm.

Furthering efforts by Ensuring that other countries to also have stringent lead paint laws helps protect US citizens, especially children, from exposure to lead-based paint, because a common global approach to lead paint laws also helps to establish a level playing field for the paint manufacturing sector.

Actions being taken include, EPA's work as Chair of the Global Alliance to Eliminate Lead Paint (Lead Paint Alliance), a voluntary, public-private partnership led by United Nations Environment and the World

Health Organization (WHO), to develop a model lead paint law for banning lead in new paint that is based on the US standard. In addition, EPA is working with the American Bar Association, which passed a resolution for ABA to work on promoting lead paint laws globally. EPA also collaborates with the Lead Paint Alliance and its partners to provide technical assistance to help countries establish lead paint laws. Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)

Office of the Administrator

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For delivery: EPA West Building, 1301 Constitution Ave., Room 1130

Office: 202-564-2199 (Monday thru Wednesday)

(b) (6) (Thursday)

FAX: 202-564-2733

From: Bandemehr, Angela

Sent: Monday, August 28, 2017 10:31 AM

To: Firestone, Michael <Firestone.Michael@epa.gov>

Cc: Sims, JaniceHQ <Sims.JaniceHQ@epa.gov>

Subject: Suggested international action on lead paint for Federal Lead Strategy

Hi Michael!

Per our conversation last week and discussions between Ruth Etzel and my management, here is a suggested additional action for the Federal Lead Strategy. To help put it into the context of the overall goals, I have inserted it into the current draft Goal 1 text.

This text is an initial proposal as a placeholder. My Office Director, Walker Smith, was out of the office last week and is still out this week. I did run this by my team leader.

Happy to further discuss as needed and thank you for the opportunity to contribute.

Regards,

Angela

Angela Bandemehr, MSEE

International Program Manager

Global Affairs and Policy

Office of International and Tribal Affairs

US Environmental Protection Agency

1200 Pennsylvania Ave, NW, MC2660R

Washington, DC 20460

Office: +202-564-1427

Email: bandemehr.angela@epa.gov

Website: <http://www.epa.gov/international>

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 6 Sep 2017 16:35:39 +0000
To: Field, Sarah (DHHS/OS/OASH); Firestone, Michael
Cc: Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD); Coulouris, Natasha (HRSA)
Subject: RE: Latest versions of Lead goal write-ups

Fine with me.

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov ([abe7](#))

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Field, Sarah (DHHS/OS/OASH)
Sent: Wednesday, September 6, 2017 12:11 PM
To: Firestone, Michael
Cc: Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD) ; Coulouris, Natasha (HRSA) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: Re: Latest versions of Lead goal write-ups
Yes, *that's what I was thinking.*

From: Firestone, Michael <Firestone.Michael@epa.gov>
Sent: Wednesday, September 6, 2017 9:01:35 AM
To: Field, Sarah (DHHS/OS/OASH)
Cc: Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD); Coulouris, Natasha (HRSA); Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Latest versions of Lead goal write-ups

Sarah

Should I circulate the version with comments from Adrienne & I so reviewers can add any new comments alongside ours?

Michael P. Firestone, Ph.D.

Office of Children's Health Protection (MC 1107T)

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FAX: 202-564-2733

From: Field, Sarah (DHHS/OS/OASH) [<mailto:Sarah.Field@hhs.gov>]
Sent: Wednesday, September 06, 2017 11:59 AM
To: Firestone, Michael <Firestone.Michael@epa.gov>
Cc: Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD) <anu1@cdc.gov>; Coulouris, Natasha (HRSA) <NCoulouris.hrsa@mail.nih.gov>; Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>
Subject: RE: Latest versions of Lead goal write-ups

We definitely appreciated you and Adrienne's comments, but I think we were planning to update the draft after we received more input.

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]

Sent: Wednesday, September 06, 2017 8:53 AM

To: Field, Sarah (DHHS/OS/OASH)

Cc: Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD); Coulouris, Natasha (HRSA); Ettinger, Adrienne (CDC/ONDIEH/NCEH)

Subject: RE: Latest versions of Lead goal write-ups

Sarah

Just to clarify, Adrienne & I sent comments in on Goal 3 on August 24. Did the Goal 3 draft change based on our comments? I just want to make sure I am sending out the absolute latest version.

Thanks.

Michael P. Firestone, Ph.D.

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From: Field, Sarah (DHHS/OS/OASH) [<mailto:Sarah.Field@hhs.gov>]

Sent: Wednesday, September 06, 2017 11:47 AM

To: Firestone, Michael <Firestone.Michael@epa.gov>

Cc: Kaminski, Jennifer Wyatt (CDC/ONDIEH/NCBDDD) <anu1@cdc.gov>; Coulouris, Natasha (HRSA) <NCoulouris.hrsa@mail.nih.gov>

Subject: RE: Latest versions of Lead goal write-ups

Hi Michael,

Goal 3 hasn't made any changes since the last draft that we provided you. We look forward to receiving the complete set of write-ups from all the Goals as well as feedback from others to proceed. Thanks for your assistance!

Sarah Field, JD

US Department of Health and Human Services

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]

Sent: Wednesday, September 06, 2017 5:29 AM

To: warren.friedman@hud.gov; Ettinger, Adrienne (CDC/ONDIEH/NCEH); Field, Sarah (DHHS/OS/OASH); Hackel, Angela; Zartarian, Valerie; Mehta, Suril (NIH/NIEHS) [E]; Peter.J.Ashley@hud.gov

Cc: Etzel, Ruth; Howard, Sandra (OS/OASH)

Subject: Latest versions of Lead goal write-ups

Goal Team "leads"

Please send me the latest version of your write-ups that include Actions by 4 pm this afternoon. I'd like to circulate the complete set of Goal write-ups to the entire Lead Subcommittee for a first round review at the end of the day.

Thank you for your continued hard work in developing the new Federal Lead Strategy.

Michael P. Firestone, Ph.D.

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FAX: 202-564-2733

From: Breysse, Patrick N. (CDC/ONDIEH/NCEH)
Sent: 14 Sep 2017 16:07:38 +0000
To: 'Orme-Zavaleta, Jennifer'
Subject: RE: Pb paper now available

Thanks

Pat

From: Orme-Zavaleta, Jennifer [mailto:Orme-Zavaleta.Jennifer@epa.gov]

Sent: Thursday, September 14, 2017 9:00 AM

To: Breysse, Patrick N. (CDC/ONDIEH/NCEH)

Cc: Deener, Kathleen

Subject: Pb paper now available

Thought you'd like to see the print version of what we discussed several months back

<https://ehp.niehs.nih.gov/ehp1605/>

Jennifer Orme-Zavaleta, PhD

Director, National Exposure Research Laboratory

USEPA Office of Research and Development

109 TW Alexander Dr MC 305-01

RTP, NC 27711

919-541-2106

(b) (6) (cell)

orme-zavaleta.jennifer@epa.gov

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 18 Sep 2017 15:09:17 +0000
To: Firestone, Michael
Subject: RE: Lead subcommittee meeting today?

(b)(5)

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Firestone, Michael [mailto:Firestone.Michael@epa.gov]
Sent: Monday, September 18, 2017 9:46 AM
To: Warren.friedman@hud.gov (CDC hud.gov) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: Lead subcommittee meeting today?

Warren, Adrienne

Given the minimal # of comments reviewed so far, is there a reason to hold the lead subcommittee meeting scheduled for this afternoon?

Warren - can you give me an idea of when HUD input into Goal 1 is likely to arrive?

Thanks

Michael P. Firestone, Ph.D.,

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FAX: 202-564-2733

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 21 Sep 2017 18:38:58 +0000
To: Forrester, Tina (ATSDR/DCHI/OD); Cibulas, William (ATSDR/OADS)
Cc: Arias, Ileana (ATSDR/DCHI/OD); Jackson, Diane (ATSDR/DCHI/OD)
Subject: RE: Using/generating blood lead level data

Tina,

(b)(5)

Thanks,
Adrienne
Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Forrester, Tina (ATSDR/DCHI/OD)
Sent: Thursday, September 21, 2017 12:24 PM
To: Cibulas, William (ATSDR/OADS) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Cc: Arias, Ileana (ATSDR/DCHI/OD) ; Jackson, Diane (ATSDR/DCHI/OD) ; Forrester, Tina (ATSDR/DCHI/OD)
Subject: FW: Using/generating blood lead level data

Bill and Adrienne,

(b)(5)

(b)(5) Thanks, Tina

From: Tanaka, Joan [<mailto:Tanaka.Joan@epa.gov>]
Sent: Monday, September 18, 2017 1:17 PM
To: Forrester, Tina (ATSDR/DCHI/OD) <txf5@cdc.gov>; Jones, Steve L. (EPA) (CDC epa.gov) <jones.steve@epa.gov>
Cc: Burgess, Michele <Burgess.Michele@epa.gov>
Subject: Using/generating blood lead level data

Tina and Steve,

Thanks for the short chat last week about designing a study to evaluate child population blood lead level concentrations associated with a Superfund site. (b) (5)

(b) (5)

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Once you have gathered the right folks at ATSDR we would like an opportunity to discuss this further. Michele Burgess and I would participate from EPA. Our goal is to, if possible, present information about such a potential study to the Superfund program regional division directors at their next conference call Tuesday Sept 26th.

Thanks you for your help and let me know if you have questions. Steve and I can work together on scheduling. My Outlook calendar (and Michele's too I think) can be used to schedule our next discussion.

Joan Tanaka

Acting Science Policy Branch Chief

Assessment and Remediation Division

Office of Superfund Remediation and Technology Innovation

telephone: 703-603-0690

cell (b) (6)

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 28 Sep 2017 17:15:06 +0000
To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov)
Subject: RE: Status of lead strategy write-up

Sounds good, thanks for the update.

Adrienne S. Ettinger, ScD, MPH, MS
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Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Firestone, Michael [mailto:Firestone.Michael@epa.gov]
Sent: Thursday, September 28, 2017 1:13 PM
To: Warren.friedman@hud.gov (CDC hud.gov) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: Status of lead strategy write-up

Warren, Adrienne

I have an almost completed/compiled draft of the strategy - I'm only missing a "clean" version of Goal 3 (which will hopefully arrive next week). Thus, I've cancelled the subcommittee meeting for next Monday since we don't have a document yet to discuss.

(b) (5)
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[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]
[Redacted]

The draft (minus Goal 3) is currently at 39 pages.

Once I get the Goal 3 write-up, I'll send it to you and suggest we set-up a call to discuss before we circulate to the entire subcommittee.

Thanks.

Michael

Michael

Michael P. Firestone, Ph.D.,

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From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 23 Oct 2017 12:53:51 -0400
To: Firestone, Michael; Warren.friedman@hud.gov (CDC hud.gov)
Cc: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Lead Strategy Co-Chairs Meeting

IMHO....

I like Option 3: "Federal Strategy to Address Childhood Lead Exposures and Associated Health Impacts"

(b)(5)

Option 5: (b)(5)

Option 4: (b)(5)

Option 1, (b)(5)

Option 2, (b)(5)

So that leaves #3, factual without being too ambitious ☺

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Firestone, Michael [mailto:Firestone.Michael@epa.gov]

Sent: Monday, October 23, 2017 11:31 AM

To: Warren.friedman@hud.gov (CDC hud.gov) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)

Subject: RE: Lead Strategy Co-Chairs Meeting

(b) (5)

Michael P. Firestone, Ph.D.

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FAX: 202-564-2733

From: Friedman, Warren [mailto:Warren.Friedman@hud.gov]

Sent: Monday, October 23, 2017 11:12 AM

To: Adrienne Ettinger <abe7@cdc.gov>; Firestone, Michael <Firestone.Michael@epa.gov>

Subject: Re: Lead Strategy Co-Chairs Meeting

Please see my reactions as dotted interleaves, below.

Yours,

Warren

202-402-7574

(b) (6) cell

From: Firestone, Michael <firestone.michael@epa.gov>

Sent: Monday, October 23, 2017 10:50 AM
Subject: Lead Strategy Co-Chairs Meeting
To: Friedman, Warren <warren.friedman@hud.gov>, Adrienne Ettinger <abe7@cdc.gov>

For discussion today: What is the correct title of our new Lead Strategy? Too many versions are floating around and we need to nail this down!

(b) (5)

[Redacted content]

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 25 Oct 2017 21:02:02 +0000
To: Warren.friedman@hud.gov (CDC hud.gov)
Subject: RE: These baby foods and formulas tested positive for arsenic, lead and BPA in new study

OK thanks. This was all in reference to discussion about where we are with the Federal Lead Strategy...

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (**abe7**)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Warren.friedman@hud.gov (CDC hud.gov)
Sent: Wednesday, October 25, 2017 4:40 PM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: These baby foods and formulas tested positive for arsenic, lead and BPA in new study
Matt had been Acting Assistant Secretary for Policy Development and Research (the Office abbreviated as PD&R) for about a year, covering the end of the previous administration and the start of this one. As a comparable landing spot when a new PD&R A/S was selected, he moved back to the OLCCH, this time as Director.

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH) [<mailto:abe7@cdc.gov>]
Sent: Wednesday, October 25, 2017 4:15 PM
To: Friedman, Warren <Warren.Friedman@hud.gov>
Subject: RE: These baby foods and formulas tested positive for arsenic, lead and BPA in new study
Immensely. I was trying to tell Pat & Sharunda that Matt was director now and they said 'no' it's Jon and I said 'no', but I'll check to be sure ☺
Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (**abe7**)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Warren.friedman@hud.gov (CDC hud.gov)
Sent: Wednesday, October 25, 2017 4:09 PM
To: Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>
Subject: RE: These baby foods and formulas tested positive for arsenic, lead and BPA in new study

Jon L. Gant
Senior Advisor
HUD Office of Lead Hazard Control and Healthy Homes
451 7th Street SW (8236)
Washington, DC 20410-3000
202-402-7025

Jon.L.Gant@HUD.gov

Jon's focusing on Lead Disclosure Rule enforcement and compliance assistance.

Does this help?

Warren

202-402-7574

(b) (6) cell

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH) [<mailto:abe7@cdc.gov>]

Sent: Wednesday, October 25, 2017 4:04 PM

To: Friedman, Warren <Warren.Friedman@hud.gov>

Subject: RE: These baby foods and formulas tested positive for arsenic, lead and BPA in new study
Indeed!

Quick question: what is Jon Gant's title/role now? Pat B was asking.

Adrienne S. Ettinger, ScD, MPH, MS

Chief, Healthy Homes and Lead Poisoning Prevention Program

Centers for Disease Control and Prevention (CDC)

Email: aettinger@cdc.gov (abe7)

Phone: (770) 488-7492

Fax: (770) 488-3635

From: Warren.friedman@hud.gov (CDC hud.gov)

Sent: Wednesday, October 25, 2017 1:52 PM

To: Firestone, Michael <Firestone.Michael@epa.gov>; Ettinger, Adrienne (CDC/ONDIEH/NCEH)

<abe7@cdc.gov>; Fitzpatrick, Suzanne (FDA/CFSAN) <Suzanne.Fitzpatrick@fda.hhs.gov>

Subject: RE: These baby foods and formulas tested positive for arsenic, lead and BPA in new study

I sense Tom Neltner lurking in the background. ☺

Warren

Warren Friedman, PhD, CIH, FAIHA

Senior Advisor to the Director

HUD Office of Lead Hazard Control and Healthy Homes

451 7th Street SW (8236)

Washington, DC 20410-3000

202-402-7574

From: Firestone, Michael [<mailto:Firestone.Michael@epa.gov>]

Sent: Wednesday, October 25, 2017 1:50 PM

To: Friedman, Warren <Warren.Friedman@hud.gov>; Adrienne Ettinger <abe7@cdc.gov>;

Suzanne Fitzpatrick <Suzanne.Fitzpatrick@fda.hhs.gov>

Subject: These baby foods and formulas tested positive for arsenic, lead and BPA in new study

FYI from USA Today: <https://www.usatoday.com/story/news/nation-now/2017/10/25/these-baby-foods-and-formulas-tested-positive-arsenic-lead-and-bpa-new-study/794291001/>

These baby foods and formulas tested positive for arsenic, lead and BPA in new study

An alarming study released Wednesday found many baby food products test positive for arsenic, including 80% of infant formulas. And, that's not the only dangerous contaminate found. The Clean Label Project, a nonprofit advocating for transparent labeling, tested baby food, infant formulas, toddler drinks and snacks purchased within the past 5 months. The group looked at top-selling formulas and baby food using Nielson data, and also included emerging national brands. After about [530 baby food products](#) were tested, researchers found 65% of products tested positive for arsenic, 36% for lead, 58% for cadmium and 10% for acrylamide. All of these chemicals pose potential dangers to developing infants.

Jennifer Lowry, pediatrician and toxicologist at Children's Mercy Hospital in Kansas City, Mo., who is not affiliated with the research, said these chemicals can affect fine motor skills and cognition.

Mainstream brands including Gerber, Enfamil, Plum Organics and Sprout were among the worst offenders — scoring two out of five in the Clean Label Project's report card for toxic metals. Plus, 60% of

products claiming to be "BPA free" tested positive for the industrial chemical bisphenol A. The quantities of contaminants range, but some products tested positive for up to 600 parts of arsenic per billion. That's far more than just trace amounts.

Arsenic was the most common contaminant spotted in the Clean Label Project study. Nearly 80% of infant formula samples tested positive for arsenic. The toxin is associated with developmental defects, cardiovascular disease, neurotoxicity, diabetes and even cancer, according to the [World Health Organization](#).

Jaclyn Bowen, executive director of Clean Label Project and a food safety scientist, said rice-based baby food such as snack puffs had some of the highest levels of arsenic. In 2016, the U.S. Food and Drug Administration proposed a limit of 100 parts per billion of arsenic in infant rice cereal, but isn't enforcing that limit. Rice often absorbs arsenic from contaminated soil as it grows in the environment.

"It is important for consumers to understand that some contaminants, such as heavy metals like lead or arsenic, are in the environment and cannot simply be removed from food," Peter Cassell, a FDA spokesperson.

Lead, also found in food tested by the Clean Label Project, has been found in baby food before. Just a few months ago, [the Environmental Defense Fund found 20% of 2,164 baby food samples tested contained lead](#). No amount of lead is safe, but it's not regulated.

Low levels of lead in children's blood have been connected to lower IQs, slowed growth, behavioral problems, hearing issues and anemia, according to the [Environmental Protection Agency](#).

The Clean Label Project posted a list of products it tested, along with a star-rating grade informed by the California Office of Environmental Health Hazard Assessment, on its [website](#). Bowen said she hopes the data helps parents become better advocates for their children's health, and creates change in the baby food business. "The baby industry needs to do a better job in protecting America's most vulnerable population," Bowen said.

Michael P. Firestone, Ph.D.

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FAX: 202-564-2733

From: Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Sent: 30 Oct 2017 08:56:46 -0400
To: Firestone, Michael;Howard, Sandra (OS/OASH);Warren.friedman@hud.gov (CDC hud.gov)
Cc: Etzel, Ruth;Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Subject: RE: Lead Subcommittee meeting on Monday?

I am supposed to be providing comments to Goal 3 team. I will make sure that I do it today, since you just gave me back some time :)

Thanks,

Adrienne

Adrienne S. Ettinger, ScD, MPH, MS
Chief, Healthy Homes and Lead Poisoning Prevention Program
Centers for Disease Control and Prevention (CDC)
Email: aettinger@cdc.gov (abe7)
Phone: (770) 488-7492
Fax: (770) 488-3635

From: Firestone, Michael [mailto:Firestone.Michael@epa.gov]
Sent: Monday, October 30, 2017 8:55 AM
To: Howard, Sandra (OS/OASH) ; Warren.friedman@hud.gov (CDC hud.gov) ; Ettinger, Adrienne (CDC/ONDIEH/NCEH)
Cc: Etzel, Ruth
Subject: RE: Lead Subcommittee meeting on Monday?

All

I've cancelled today's meeting.

By the way, I have only received 3 reviews of the strategy, all by EPA staff.

I'm still waiting for the Goal 3 team revised/updated draft.

Have you all reviewed any comments either from your respective agencies, the Lead Subcommittee or PTF-SSC members?

Michael P. Firestone, Ph.D.

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PS - (b) (6)

From: Howard, Sandra (OS/OASH) [mailto:Sandra.Howard@HHS.GOV]
Sent: Friday, October 27, 2017 7:20 PM
To: Firestone, Michael <Firestone.Michael@epa.gov>; Friedman, Warren (Warren.Friedman@hud.gov) <Warren.Friedman@hud.gov>; Ettinger, Adrienne (CDC/ONDIEH/NCEH) <abe7@cdc.gov>
Cc: Etzel, Ruth <Etzel.Ruth@epa.gov>
Subject: Lead Subcommittee meeting on Monday?

Are you going to convene the subcommittee on Monday?

Sandra N. Howard

Senior Environmental Health Advisor

Office of the Assistant Secretary for Health

U.S. Department of Health and Human Services

202-690-7778